



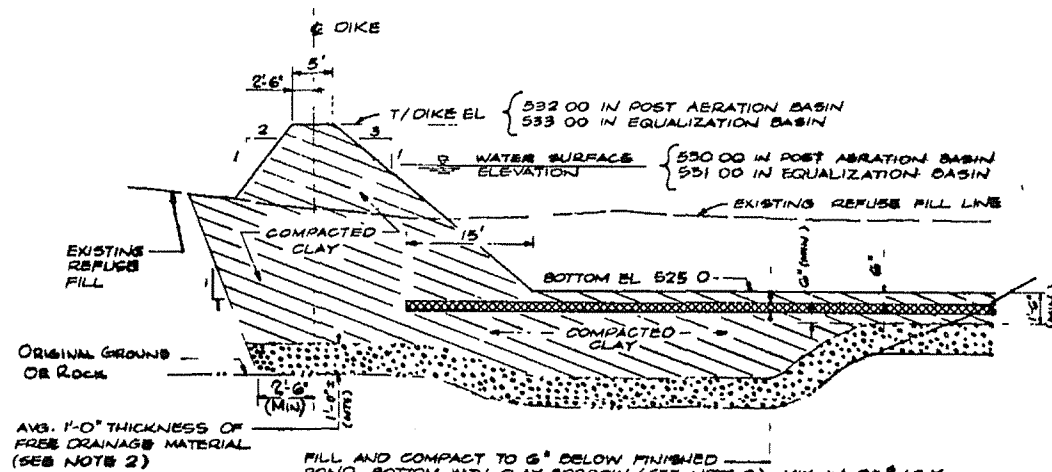
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- | | |
|--|--------------------------------|
| | EXISTING CONTOURS |
| | INTERMEDIATE EXISTING CONTOURS |
| | PROPOSED CONTOURS |
| | PROPOSED STRUCTURE |
| | PROPOSED STORM SEWER |
| | PROPOSED MANHOLE |
| | EXISTING GAS LINE |
| | EXISTING FENCE |
| | EXISTING ELECTRICAL CONDUIT |
| | EXISTING ELECTRICAL MANHOLE |
| | EXISTING RAILROAD |
| | EDGE OF WATER SURFACE |
| | SPOT ELEVATION |
| | DRAINAGE FLOW |
| | PROPOSED 12" WATER LINE |
| | RIP-RAP |

GENERAL NOTES

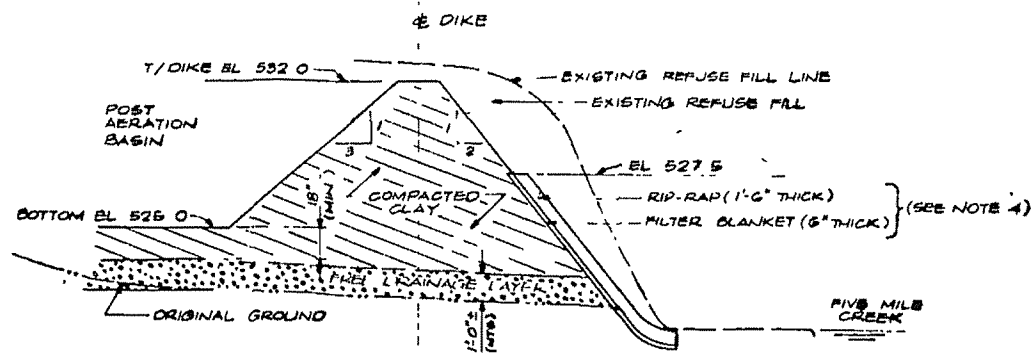
- 1. ALL PLANNING & SHOWN ARE IN FEET AND ARE BASED ON THE PLANT COORDINATE SYSTEM.
- 2. ELEVATIONS SHOWN ARE BASED ON THE PLANT DATUM.
- 3. FOR RELOCATION OR REVISION OF EXISTING ELECTRICAL SYSTEMS, SEE DWG. NO. 1904.
- 4. ELEV. OF RELOCATED 12" WATER LINES TO BE SAME AS EXISTING LINES (3/8 MM COVER)
- 5. FOR JUNCTION BOX AND MANHOLE DETAILS, SEE DWG. NO. 1996
- 6. FOR PUMP STRUCTURE DETAILS, SEE DWG. NO. 19G5.
- 7. WORK THIS DWG. WITH THE FOLLOWING RUST ENGINEERING CO. SPECIFICATIONS:
 - 0215/01 EXCAVATION, TRENCHING, INSTALLATION AND BACKFILLING FOR UTILITIES
 - 0220/00 EARTHWORK / GENERAL
 - 0242/01 STORM SEWERS AND DRAINAGE STRUCTURES
 - 0285/03 RIP - RAP
- 8. COORDINATES FOR ELECTRICAL EQUIPMENT BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION.
- 9. LOCATION AND SIZE OF INDIRECT COOLER ARE BASED ON PRELIMINARY, UNCERTIFIED VENDOR INFORMATION.
- 10. SUBCONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN THE VICINITY OF EXISTING HIGH PRESSURE GAS LINE.
- 11. FOR LOCATIONS OF INLET AND OUTLET STRUCTURES, SEE DWG. NO. 1998.

CAUTION:
AT THE LOCATION OF ---
EXISTING ELECTRICAL
CONDUIT (TO BE RELOCATED)

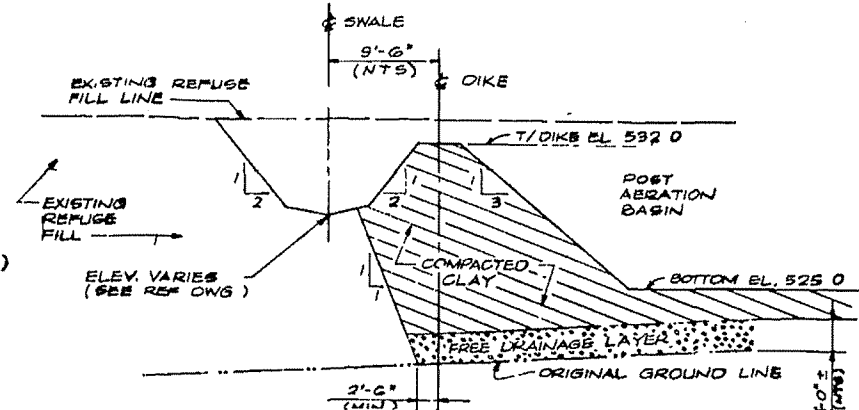
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TYPICAL DIKE SECTION

SCALE: AS NOTED
REF. DWG. 1994

SECTION A-A

SCALE: AS NOTED
REF. DWG. 1994

SECTION B-B

SCALE: AS NOTED
REF. DWG. 1994

NOTES:

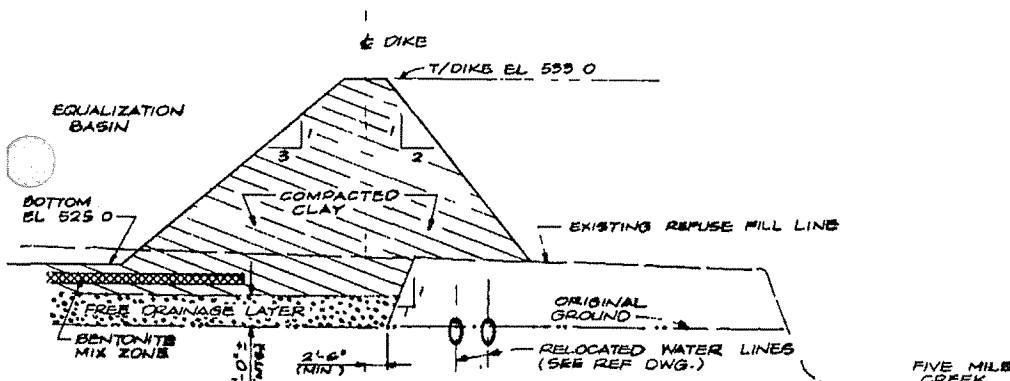
1. FOR GENERAL NOTES SEE DWG. 1994.

2. THE FREE DRAINAGE LAYER MATERIAL SHALL BE CRUSHED STONE, BLAST FURNACE SLAG (NOT OPEN HEARTH OR ELECTRIC STEEL FURNACE SLAG), OR OTHER CLEAN COARSE DURABLE GRANULAR MATERIAL APPROVED FOR THIS PURPOSE BY THE OWNER'S TESTING AND MATERIALS ENGINEER. IT SHALL HAVE A GRADATION SUCH THAT 100 PERCENT PASSES THE 2 INCH SIEVE, NOT MORE THAN 40 PERCENT PASSES THE 1/2 INCH SIEVE, AND NOT MORE THAN 5 PERCENT PASSES THE NO. 200 SIEVE. IT SHALL BE PLACED IN NOT THICKER THAN 24 INCH THICK LAYERS. EACH LAYER SHALL BE COMPLETELY COVERED BY A MINIMUM OF 3 PASSES OF A VIBRATORY ROLLER WEIGHING NO LESS THAN 10,000 POUNDS.

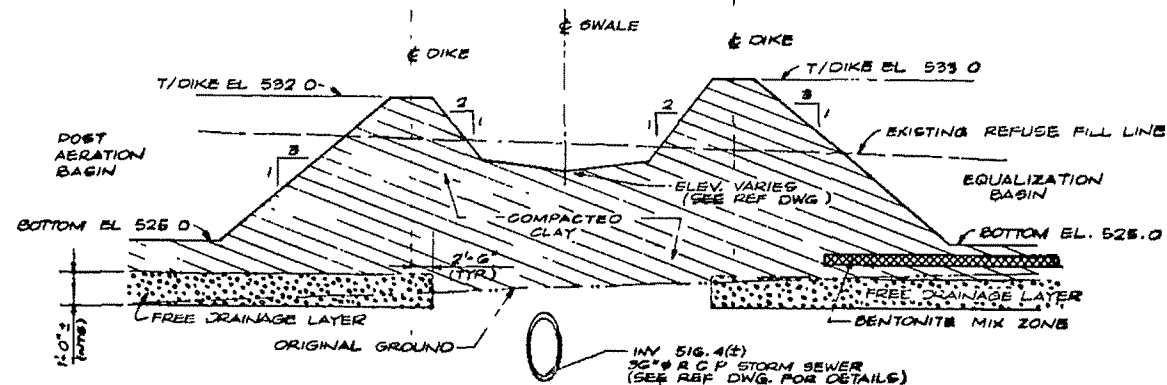
3. COMPACTED CLAY SHALL BE OBTAINED FROM AN OWNER-FURNISHED BORROW PIT. IT SHALL BE APPROVED FOR IMPERVIOUS DIKE AND POND BOTTOM CONSTRUCTION BY THE OWNER'S TESTING & MATERIALS ENGINEER. IT SHALL CONFORM TO THE PROPERTIES OF THE PROPOSED BORROW PIT MATERIAL APPROVED IN THE PROJECT SOIL REPORT BY LAW ENGINEERING TESTING CO. DATED JUNE 2, 1976, HAVING A LIQUID LIMIT OF 29 & PLASTICITY INDEX OF 11, A MAXIMUM DENSITY (ASTM D 698) OF 113 PCF, AND AN OPTIMUM MOISTURE CONTENT OF 15 PERCENT. IT SHALL BE PLACED AND COMPACTED IN LAYERS IN CONFORMITY WITH RUST SPECIFICATION NO. 022000, EARTHWORK/GENERAL. THE SURFACE OF THE FREE DRAINAGE LAYER SHALL BE KEPT FREE OF STANDING WATER, BY PUMPING OR OTHER MEANS WHEN COMPACTED CLAY LAYERS ARE BEING PLACED THERE ON.

4. RIP RAP AND FILTER BLANKET SHALL BE PLACED IN ACCORDANCE WITH RUST SPECIFICATION, NO. 0283/03, RIP RAP. SEE DWG. 1994 FOR LIMITS OF THE RIP RAP SLOPE PROTECTION.

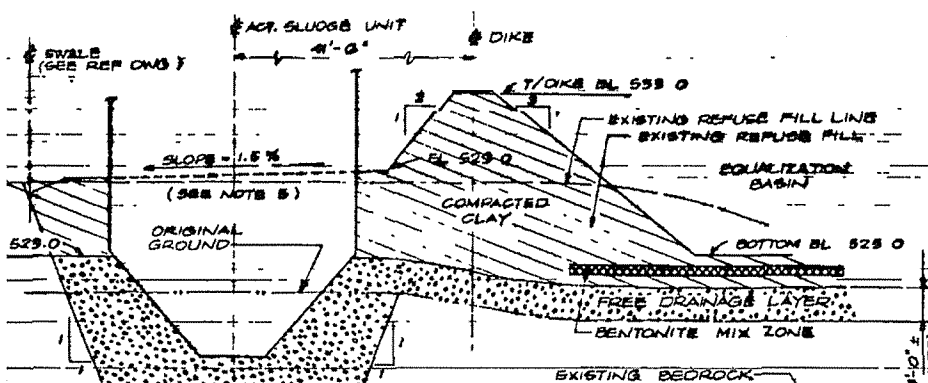
5. IF CONSTRUCTION OF ACTIVATED SLUDGE UNIT IS NOT INCLUDED WITH SITEWORK CONSTRUCTION, THE SITEWORK SUBCONTRACTOR SHALL PLACE FREE DRAINAGE LAYER TO ELEV. 523.0 AND COMPACTED CLAY TO FINISH GRADE IN THE AREA OF THE SLUDGE UNITS.



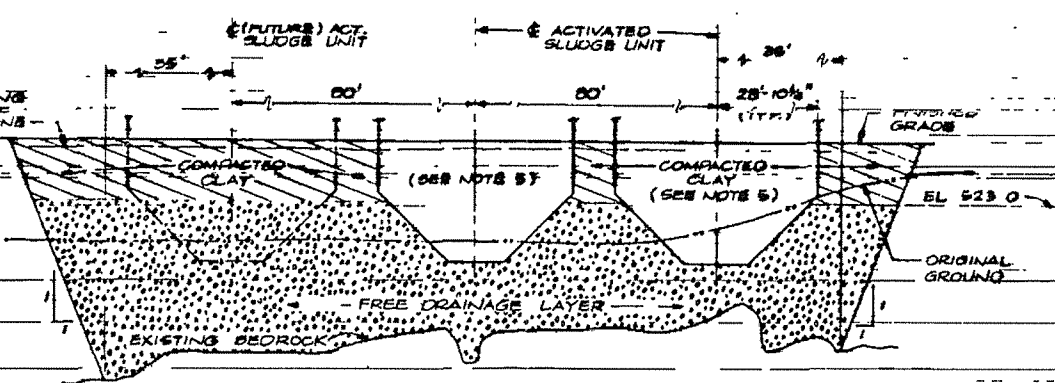
SECTION C-C

SCALE: AS NOTED
REF. DWG. 1994

SECTION D-D

SCALE: AS NOTED
REF. DWG. 1994

SECTION E-E

NOT TO SCALE
REF. DWG. 1994

SECTION F-F

NOT TO SCALE
REF. DWG. 1994RELEASED FOR CONSTRUCTION
DATE 4/28/95EFFLUENT TREATMENT SYSTEM
SECTIONS & DETAILSALABAMA BY-PRODUCTS CORP
BIRMINGHAM, ALABAMA

The Rust Engineering Company

CONTRACT 21-1816

BIRMINGHAM

ALABAMA

DRAWING NUMBER 1995

REV. 10